

TABLE 1-3

**Relationship of highest degree to job among employed college graduates, by level of highest degree, minor field of highest degree, and broad occupation: 2019**

(Number)

Level and field of highest degree	All				S&E occupations				S&E-related occupations				Non-S&E occupations			
	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related
All degrees	50,524,000	27,340,000	13,258,000	9,927,000	7,466,000	4,886,000	1,852,000	729,000	8,893,000	6,699,000	1,407,000	788,000	34,165,000	15,754,000	10,000,000	8,411,000
S&E fields	15,362,000	7,432,000	4,575,000	3,355,000	5,709,000	4,064,000	1,298,000	347,000	2,131,000	1,220,000	646,000	264,000	7,522,000	2,147,000	2,631,000	2,743,000
Biological, agricultural, and environmental life sciences	2,437,000	1,156,000	664,000	616,000	705,000	508,000	138,000	58,000	660,000	381,000	205,000	74,000	1,072,000	267,000	321,000	484,000
Agricultural and food sciences	266,000	122,000	68,000	76,000	59,000	47,000	9,000	4,000	27,000	8,000	11,000	7,000	180,000	67,000	48,000	65,000
Biological sciences	1,867,000	917,000	490,000	461,000	565,000	416,000	103,000	46,000	588,000	352,000	182,000	54,000	714,000	149,000	205,000	360,000
Environmental life sciences	303,000	118,000	107,000	79,000	80,000	45,000	26,000	9,000	45,000	21,000	12,000	12,000	177,000	51,000	68,000	58,000
Computer and mathematical sciences	2,837,000	1,816,000	724,000	297,000	1,670,000	1,296,000	345,000	28,000	366,000	244,000	94,000	28,000	801,000	277,000	285,000	240,000
Computer and information sciences	2,203,000	1,502,000	500,000	201,000	1,427,000	1,147,000	262,000	18,000	239,000	155,000	60,000	24,000	537,000	200,000	178,000	159,000
Mathematics and statistics	634,000	314,000	224,000	96,000	243,000	148,000	84,000	11,000	127,000	89,000	34,000	4,000	265,000	77,000	107,000	81,000
Physical and related sciences	889,000	473,000	235,000	182,000	422,000	293,000	95,000	34,000	176,000	113,000	52,000	11,000	291,000	67,000	88,000	136,000
Chemistry, except biochemistry	400,000	234,000	109,000	57,000	179,000	127,000	40,000	12,000	100,000	74,000	23,000	S	120,000	32,000	46,000	42,000
Earth, atmospheric, and ocean sciences	249,000	115,000	51,000	83,000	108,000	81,000	16,000	12,000	36,000	17,000	16,000	S	105,000	17,000	19,000	69,000
Physics and astronomy	220,000	115,000	70,000	36,000	131,000	83,000	38,000	10,000	35,000	18,000	12,000	S	54,000	14,000	20,000	20,000
Other physical sciences	20,000	10,000	4,000	S	4,000	S	1,000	D	5,000	5,000	D	D	11,000	S	3,000	S
Social and related sciences	5,474,000	1,806,000	1,806,000	1,862,000	754,000	456,000	158,000	141,000	367,000	158,000	98,000	111,000	4,352,000	1,192,000	1,550,000	1,610,000
Economics	856,000	237,000	386,000	233,000	130,000	60,000	54,000	17,000	24,000	5,000	9,000	10,000	702,000	172,000	324,000	207,000

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(Number)

Level and field of highest degree	All				S&E occupations				S&E-related occupations				Non-S&E occupations			
	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related
Political and related sciences	971,000	224,000	325,000	422,000	107,000	53,000	21,000	33,000	52,000	19,000	15,000	17,000	812,000	152,000	289,000	371,000
Psychology	2,221,000	944,000	644,000	633,000	341,000	256,000	43,000	43,000	180,000	94,000	51,000	35,000	1,700,000	594,000	550,000	556,000
Sociology and anthropology	829,000	223,000	266,000	339,000	102,000	53,000	22,000	27,000	57,000	13,000	11,000	32,000	669,000	157,000	232,000	280,000
Other social sciences	598,000	178,000	185,000	234,000	74,000	34,000	18,000	22,000	55,000	26,000	12,000	17,000	468,000	117,000	155,000	195,000
Engineering	3,725,000	2,180,000	1,145,000	399,000	2,159,000	1,512,000	561,000	85,000	562,000	324,000	198,000	40,000	1,004,000	344,000	386,000	274,000
Aerospace, aeronautical, and astronautical engineering	142,000	87,000	40,000	14,000	81,000	55,000	23,000	3,000	13,000	6,000	4,000	D	48,000	27,000	13,000	8,000
Chemical engineering	246,000	111,000	97,000	38,000	138,000	80,000	49,000	9,000	35,000	19,000	15,000	2,000	72,000	12,000	34,000	27,000
Civil and architectural engineering	544,000	354,000	130,000	59,000	284,000	235,000	42,000	7,000	89,000	54,000	29,000	5,000	172,000	65,000	60,000	47,000
Electrical and computer engineering	1,289,000	807,000	383,000	99,000	849,000	617,000	217,000	16,000	204,000	114,000	78,000	12,000	236,000	77,000	88,000	71,000
Industrial engineering	214,000	102,000	82,000	29,000	86,000	45,000	34,000	7,000	35,000	20,000	14,000	D	93,000	37,000	35,000	21,000
Mechanical engineering	739,000	400,000	262,000	77,000	452,000	294,000	134,000	24,000	99,000	53,000	38,000	7,000	188,000	53,000	90,000	46,000
Other engineering	552,000	319,000	151,000	83,000	269,000	186,000	64,000	19,000	88,000	58,000	19,000	10,000	195,000	74,000	68,000	54,000
S&E-related fields	7,429,000	5,773,000	934,000	722,000	428,000	290,000	105,000	33,000	5,309,000	4,811,000	372,000	126,000	1,692,000	672,000	457,000	563,000
Health	5,979,000	4,888,000	610,000	482,000	164,000	123,000	31,000	10,000	4,731,000	4,344,000	288,000	99,000	1,084,000	420,000	292,000	373,000
Science and mathematics teacher education	469,000	331,000	70,000	68,000	29,000	21,000	4,000	4,000	239,000	220,000	18,000	D	201,000	90,000	47,000	64,000
Technology and technical fields	479,000	219,000	155,000	106,000	186,000	116,000	55,000	15,000	115,000	52,000	40,000	23,000	179,000	51,000	60,000	68,000

TABLE 1-3

**Relationship of highest degree to job among employed college graduates, by level of highest degree, minor field of highest degree, and broad occupation: 2019**

(Number)

Level and field of highest degree	All				S&E occupations				S&E-related occupations				Non-S&E occupations			
	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related
Other S&E-related fields	501,000	336,000	100,000	66,000	49,000	30,000	15,000	5,000	224,000	195,000	26,000	S	228,000	111,000	59,000	58,000
Non-S&E fields	27,734,000	14,135,000	7,749,000	5,850,000	1,330,000	532,000	449,000	348,000	1,453,000	667,000	388,000	398,000	24,951,000	12,935,000	6,911,000	5,104,000
Management and administration fields	9,499,000	4,519,000	3,392,000	1,588,000	666,000	287,000	287,000	92,000	442,000	144,000	177,000	121,000	8,391,000	4,088,000	2,928,000	1,375,000
Education, except science and math teacher education	5,285,000	3,858,000	680,000	747,000	76,000	37,000	18,000	21,000	444,000	323,000	60,000	60,000	4,764,000	3,497,000	602,000	665,000
Social service and related fields	1,413,000	880,000	225,000	308,000	77,000	44,000	8,000	25,000	53,000	24,000	10,000	18,000	1,283,000	811,000	207,000	265,000
Sales and marketing fields	1,299,000	458,000	610,000	230,000	53,000	8,000	31,000	15,000	S	4,000	S	S	1,213,000	447,000	575,000	192,000
Art and humanities fields	4,487,000	1,642,000	1,279,000	1,567,000	224,000	51,000	55,000	117,000	237,000	89,000	47,000	102,000	4,026,000	1,502,000	1,177,000	1,348,000
Other non-S&E fields	5,750,000	2,778,000	1,562,000	1,410,000	233,000	105,000	50,000	78,000	245,000	84,000	90,000	72,000	5,272,000	2,590,000	1,422,000	1,260,000
Bachelor's	31,373,000	13,818,000	9,508,000	8,048,000	4,176,000	2,436,000	1,161,000	579,000	4,794,000	3,209,000	959,000	627,000	22,403,000	8,173,000	7,388,000	6,842,000
S&E fields	10,731,000	4,258,000	3,526,000	2,947,000	3,251,000	2,107,000	860,000	284,000	1,504,000	776,000	507,000	221,000	5,976,000	1,375,000	2,159,000	2,442,000
Biological, agricultural, and environmental life sciences	1,688,000	616,000	529,000	544,000	344,000	204,000	88,000	51,000	486,000	247,000	177,000	62,000	858,000	164,000	263,000	431,000
Agricultural and food sciences	207,000	81,000	60,000	66,000	31,000	21,000	7,000	3,000	21,000	5,000	10,000	S	155,000	55,000	43,000	57,000
Biological sciences	1,254,000	470,000	378,000	405,000	266,000	164,000	63,000	40,000	430,000	227,000	158,000	45,000	557,000	79,000	158,000	320,000
Environmental life sciences	228,000	65,000	91,000	72,000	47,000	19,000	19,000	9,000	35,000	15,000	10,000	10,000	146,000	30,000	62,000	54,000
Computer and mathematical sciences	1,896,000	1,116,000	543,000	237,000	1,032,000	779,000	237,000	16,000	250,000	153,000	73,000	24,000	614,000	185,000	233,000	196,000
Computer and information sciences	1,478,000	949,000	365,000	164,000	915,000	726,000	178,000	11,000	156,000	91,000	43,000	22,000	407,000	132,000	144,000	132,000

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(Number)

Level and field of highest degree	All				S&E occupations				S&E-related occupations				Non-S&E occupations			
	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related
Mathematics and statistics	418,000	168,000	178,000	72,000	117,000	53,000	59,000	6,000	94,000	62,000	29,000	2,000	207,000	52,000	90,000	64,000
Physical and related sciences	520,000	234,000	137,000	149,000	194,000	124,000	44,000	26,000	117,000	74,000	34,000	9,000	209,000	36,000	59,000	114,000
Chemistry, except biochemistry	257,000	139,000	70,000	47,000	91,000	59,000	22,000	S	79,000	60,000	16,000	S	87,000	20,000	32,000	35,000
Earth, atmospheric, and ocean sciences	163,000	57,000	32,000	73,000	59,000	40,000	8,000	S	19,000	6,000	S	S	84,000	S	13,000	60,000
Physics and astronomy	85,000	31,000	31,000	23,000	40,000	22,000	13,000	5,000	17,000	6,000	S	S	28,000	3,000	11,000	14,000
Other physical sciences	16,000	6,000	4,000	S	S	S	1,000	D	S	S	D	D	11,000	S	3,000	S
Social and related sciences	4,097,000	938,000	1,469,000	1,690,000	327,000	100,000	100,000	127,000	269,000	95,000	79,000	95,000	3,501,000	743,000	1,290,000	1,468,000
Economics	709,000	161,000	339,000	209,000	79,000	16,000	48,000	16,000	20,000	3,000	7,000	9,000	610,000	142,000	284,000	184,000
Political and related sciences	760,000	118,000	260,000	382,000	48,000	10,000	11,000	28,000	42,000	14,000	14,000	13,000	671,000	93,000	236,000	342,000
Psychology	1,509,000	414,000	527,000	568,000	116,000	55,000	21,000	41,000	117,000	53,000	37,000	28,000	1,276,000	307,000	470,000	500,000
Sociology and anthropology	711,000	152,000	235,000	325,000	45,000	7,000	13,000	25,000	48,000	5,000	11,000	32,000	619,000	140,000	211,000	268,000
Other social sciences	407,000	93,000	108,000	206,000	39,000	13,000	8,000	18,000	42,000	19,000	10,000	13,000	326,000	61,000	90,000	175,000
Engineering	2,530,000	1,354,000	848,000	328,000	1,355,000	900,000	391,000	63,000	382,000	206,000	145,000	31,000	793,000	247,000	312,000	234,000
Aerospace, aeronautical, and astronautical engineering	88,000	45,000	31,000	13,000	47,000	28,000	17,000	S	8,000	1,000	3,000	D	34,000	15,000	11,000	7,000
Chemical engineering	186,000	75,000	76,000	35,000	98,000	54,000	37,000	8,000	26,000	13,000	12,000	2,000	61,000	8,000	28,000	25,000

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(Number)

Level and field of highest degree	All				S&E occupations				S&E-related occupations				Non-S&E occupations			
	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related
Civil and architectural engineering	397,000	238,000	109,000	50,000	182,000	148,000	28,000	6,000	68,000	39,000	25,000	4,000	146,000	51,000	55,000	40,000
Electrical and computer engineering	840,000	481,000	276,000	83,000	523,000	359,000	151,000	13,000	137,000	69,000	60,000	8,000	179,000	53,000	65,000	61,000
Industrial engineering	141,000	66,000	53,000	23,000	54,000	26,000	23,000	5,000	19,000	12,000	6,000	D	68,000	28,000	24,000	17,000
Mechanical engineering	563,000	293,000	203,000	67,000	325,000	204,000	100,000	21,000	75,000	43,000	27,000	5,000	164,000	46,000	77,000	41,000
Other engineering	316,000	158,000	100,000	58,000	125,000	81,000	36,000	7,000	50,000	30,000	11,000	9,000	141,000	46,000	53,000	42,000
S&E-related fields	3,771,000	2,609,000	605,000	556,000	193,000	111,000	62,000	20,000	2,535,000	2,208,000	231,000	96,000	1,043,000	290,000	312,000	441,000
Health	2,844,000	2,098,000	382,000	364,000	36,000	24,000	9,000	4,000	2,178,000	1,929,000	173,000	76,000	630,000	146,000	200,000	284,000
Science and mathematics teacher education	206,000	141,000	23,000	42,000	4,000	2,000	S	D	105,000	100,000	5,000	D	97,000	39,000	17,000	41,000
Technology and technical fields	388,000	164,000	129,000	95,000	132,000	73,000	44,000	14,000	97,000	45,000	34,000	17,000	160,000	45,000	51,000	63,000
Other S&E-related fields	332,000	206,000	71,000	55,000	21,000	12,000	8,000	D	155,000	134,000	19,000	D	156,000	60,000	43,000	52,000
Non-S&E fields	16,871,000	6,950,000	5,376,000	4,545,000	732,000	218,000	239,000	275,000	756,000	225,000	220,000	310,000	15,384,000	6,508,000	4,917,000	3,959,000
Management and administration fields	6,264,000	2,822,000	2,199,000	1,243,000	344,000	134,000	141,000	70,000	237,000	41,000	100,000	96,000	5,683,000	2,647,000	1,959,000	1,077,000
Education, except science and math teacher education	2,063,000	1,281,000	325,000	458,000	28,000	S	5,000	15,000	118,000	67,000	15,000	37,000	1,917,000	1,207,000	305,000	405,000
Social service and related fields	554,000	234,000	119,000	201,000	22,000	5,000	S	15,000	15,000	S	D	11,000	517,000	226,000	116,000	175,000
Sales and marketing fields	1,057,000	348,000	517,000	192,000	37,000	S	20,000	11,000	S	S	D	S	992,000	341,000	494,000	157,000

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(Number)

Level and field of highest degree	All				S&E occupations				S&E-related occupations				Non-S&E occupations			
	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related
Art and humanities fields	3,581,000	1,132,000	1,078,000	1,371,000	189,000	42,000	45,000	102,000	185,000	60,000	40,000	85,000	3,208,000	1,029,000	994,000	1,185,000
Other non-S&E fields	3,352,000	1,134,000	1,139,000	1,080,000	112,000	24,000	26,000	62,000	171,000	52,000	63,000	56,000	3,068,000	1,058,000	1,049,000	961,000
Master's	14,158,000	9,347,000	3,206,000	1,605,000	2,286,000	1,602,000	561,000	123,000	2,332,000	1,813,000	382,000	138,000	9,540,000	5,933,000	2,263,000	1,344,000
S&E fields	3,350,000	2,154,000	842,000	354,000	1,589,000	1,211,000	332,000	46,000	479,000	328,000	112,000	40,000	1,281,000	616,000	398,000	268,000
Biological, agricultural, and environmental life sciences	388,000	240,000	88,000	60,000	132,000	100,000	27,000	4,000	105,000	77,000	18,000	10,000	151,000	63,000	43,000	45,000
Agricultural and food sciences	40,000	23,000	7,000	10,000	13,000	11,000	2,000	D	4,000	2,000	S	D	22,000	9,000	5,000	S
Biological sciences	280,000	169,000	67,000	44,000	90,000	67,000	19,000	4,000	92,000	70,000	15,000	7,000	99,000	33,000	33,000	33,000
Environmental life sciences	68,000	48,000	14,000	6,000	28,000	22,000	6,000	D	9,000	6,000	2,000	D	30,000	21,000	5,000	5,000
Computer and mathematical sciences	829,000	611,000	164,000	55,000	543,000	440,000	96,000	8,000	111,000	88,000	19,000	4,000	174,000	83,000	49,000	43,000
Computer and information sciences	668,000	509,000	126,000	34,000	463,000	382,000	77,000	4,000	82,000	63,000	16,000	S	124,000	64,000	33,000	27,000
Mathematics and statistics	161,000	102,000	38,000	21,000	81,000	58,000	19,000	S	30,000	25,000	3,000	D	50,000	19,000	15,000	16,000
Physical and related sciences	170,000	97,000	52,000	21,000	88,000	62,000	23,000	3,000	32,000	20,000	10,000	1,000	51,000	16,000	19,000	16,000
Chemistry, except biochemistry	51,000	29,000	19,000	3,000	26,000	19,000	7,000	D	9,000	6,000	3,000	D	16,000	S	9,000	2,000
Earth, atmospheric, and ocean sciences	60,000	34,000	16,000	10,000	28,000	22,000	6,000	S	14,000	8,000	S	D	18,000	4,000	5,000	9,000

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(Number)

Level and field of highest degree	All				S&E occupations				S&E-related occupations				Non-S&E occupations			
	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related
Physics and astronomy	56,000	31,000	17,000	7,000	33,000	21,000	9,000	2,000	7,000	4,000	S	D	17,000	7,000	6,000	5,000
Other physical sciences	3,000	3,000	D	D	1,000	*	D	D	S	S	D	D	D	D	D	D
Social and related sciences	1,001,000	564,000	281,000	156,000	194,000	142,000	40,000	12,000	76,000	45,000	16,000	15,000	731,000	377,000	225,000	129,000
Economics	106,000	42,000	42,000	22,000	26,000	20,000	5,000	S	3,000	S	D	D	77,000	20,000	36,000	20,000
Political and related sciences	171,000	76,000	58,000	36,000	34,000	21,000	8,000	5,000	8,000	4,000	S	S	129,000	51,000	49,000	29,000
Psychology	507,000	359,000	91,000	57,000	92,000	77,000	13,000	2,000	46,000	28,000	12,000	7,000	369,000	255,000	66,000	49,000
Sociology and anthropology	67,000	31,000	23,000	14,000	19,000	12,000	6,000	D	7,000	6,000	D	D	41,000	13,000	17,000	11,000
Other social sciences	150,000	55,000	67,000	28,000	23,000	12,000	S	S	12,000	6,000	2,000	S	115,000	38,000	58,000	20,000
Engineering	961,000	642,000	257,000	62,000	632,000	468,000	146,000	18,000	155,000	97,000	49,000	9,000	174,000	77,000	62,000	35,000
Aerospace, aeronautical, and astronautical engineering	44,000	34,000	9,000	1,000	27,000	20,000	6,000	*	3,000	3,000	S	D	S	S	3,000	D
Chemical engineering	30,000	13,000	14,000	2,000	17,000	7,000	9,000	D	7,000	S	2,000	D	5,000	S	2,000	1,000
Civil and architectural engineering	126,000	99,000	19,000	8,000	85,000	72,000	12,000	S	18,000	14,000	3,000	D	23,000	14,000	4,000	5,000
Electrical and computer engineering	381,000	273,000	92,000	15,000	273,000	215,000	55,000	3,000	61,000	40,000	17,000	4,000	47,000	17,000	21,000	9,000
Industrial engineering	62,000	29,000	27,000	7,000	26,000	14,000	10,000	S	14,000	6,000	8,000	D	23,000	9,000	9,000	5,000
Mechanical engineering	147,000	85,000	53,000	9,000	104,000	71,000	31,000	2,000	22,000	10,000	11,000	S	21,000	4,000	12,000	5,000
Other engineering	171,000	108,000	43,000	20,000	101,000	68,000	24,000	9,000	29,000	20,000	8,000	S	41,000	21,000	11,000	10,000
S&E-related fields	1,920,000	1,516,000	276,000	128,000	172,000	124,000	37,000	12,000	1,200,000	1,065,000	114,000	20,000	548,000	327,000	125,000	96,000

TABLE 1-3

**Relationship of highest degree to job among employed college graduates, by level of highest degree, minor field of highest degree, and broad occupation: 2019**

(Number)

Level and field of highest degree	All				S&E occupations				S&E-related occupations				Non-S&E occupations			
	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related
Health	1,420,000	1,161,000	177,000	81,000	76,000	56,000	16,000	4,000	983,000	880,000	88,000	15,000	361,000	226,000	73,000	62,000
Science and mathematics teacher education	252,000	180,000	46,000	26,000	21,000	14,000	S	3,000	133,000	120,000	14,000	D	98,000	46,000	29,000	23,000
Technology and technical fields	82,000	48,000	24,000	10,000	49,000	38,000	11,000	D	16,000	5,000	6,000	D	17,000	5,000	8,000	5,000
Other S&E-related fields	166,000	127,000	29,000	10,000	27,000	16,000	7,000	S	68,000	61,000	7,000	D	71,000	49,000	16,000	6,000
Non-S&E fields	8,888,000	5,677,000	2,088,000	1,123,000	524,000	267,000	193,000	65,000	653,000	420,000	156,000	78,000	7,711,000	4,990,000	1,740,000	980,000
Management and administration fields	3,178,000	1,653,000	1,182,000	342,000	314,000	150,000	142,000	22,000	203,000	102,000	76,000	25,000	2,660,000	1,401,000	964,000	296,000
Education, except science and math teacher education	3,063,000	2,449,000	328,000	286,000	40,000	24,000	11,000	5,000	307,000	240,000	44,000	23,000	2,715,000	2,185,000	273,000	257,000
Social service and related fields	769,000	571,000	99,000	99,000	40,000	26,000	5,000	9,000	37,000	21,000	9,000	7,000	692,000	524,000	85,000	83,000
Sales and marketing fields	237,000	106,000	93,000	38,000	16,000	S	11,000	S	4,000	S	D	D	217,000	101,000	81,000	35,000
Art and humanities fields	739,000	378,000	174,000	188,000	30,000	7,000	7,000	15,000	52,000	28,000	S	17,000	658,000	343,000	159,000	156,000
Other non-S&E fields	903,000	520,000	212,000	170,000	84,000	57,000	17,000	10,000	51,000	27,000	17,000	6,000	768,000	436,000	178,000	154,000
Doctorate	2,090,000	1,685,000	301,000	104,000	938,000	797,000	122,000	19,000	387,000	337,000	42,000	8,000	765,000	551,000	137,000	77,000
S&E fields	1,239,000	987,000	200,000	52,000	841,000	721,000	104,000	17,000	146,000	115,000	27,000	4,000	252,000	151,000	69,000	32,000
Biological, agricultural, and environmental life sciences	360,000	300,000	47,000	13,000	229,000	203,000	22,000	3,000	69,000	57,000	10,000	2,000	62,000	40,000	15,000	8,000



TABLE 1-3

**Relationship of highest degree to job among employed college graduates, by level of highest degree, minor field of highest degree, and broad occupation: 2019**

(Number)

Level and field of highest degree	All				S&E occupations				S&E-related occupations				Non-S&E occupations			
	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related
Agricultural and food sciences	20,000	18,000	1,000	D	15,000	15,000	D	D	1,000	1,000	D	D	3,000	2,000	1,000	D
Biological sciences	333,000	278,000	44,000	11,000	209,000	185,000	21,000	3,000	66,000	55,000	10,000	2,000	59,000	38,000	14,000	7,000
Environmental life sciences	7,000	5,000	S	D	5,000	4,000	S	D	S	D	D	D	S	D	D	D
Computer and mathematical sciences	112,000	89,000	18,000	5,000	94,000	77,000	13,000	4,000	5,000	3,000	S	D	13,000	9,000	3,000	D
Computer and information sciences	56,000	44,000	9,000	D	50,000	40,000	7,000	D	2,000	2,000	D	D	5,000	3,000	1,000	D
Mathematics and statistics	56,000	45,000	9,000	2,000	45,000	37,000	6,000	1,000	3,000	S	D	D	8,000	6,000	S	D
Physical and related sciences	199,000	142,000	45,000	12,000	140,000	107,000	28,000	5,000	28,000	19,000	8,000	D	31,000	15,000	9,000	7,000
Chemistry, except biochemistry	92,000	65,000	20,000	7,000	62,000	49,000	11,000	2,000	12,000	8,000	S	D	18,000	8,000	4,000	5,000
Earth, atmospheric, and ocean sciences	27,000	23,000	3,000	D	20,000	19,000	S	D	3,000	S	D	D	4,000	2,000	2,000	D
Physics and astronomy	79,000	52,000	22,000	5,000	58,000	39,000	16,000	3,000	11,000	S	3,000	D	10,000	5,000	3,000	2,000
Other physical sciences	2,000	2,000	D	D	*	D	D	D	D	D	D	D	D	D	D	D
Social and related sciences	335,000	272,000	50,000	13,000	207,000	189,000	17,000	S	20,000	15,000	S	D	108,000	67,000	30,000	11,000
Economics	41,000	33,000	5,000	D	25,000	24,000	1,000	D	*	D	D	D	16,000	9,000	4,000	D
Political and related sciences	39,000	30,000	7,000	3,000	25,000	22,000	S	D	2,000	D	D	D	12,000	7,000	4,000	D
Psychology	164,000	138,000	19,000	6,000	106,000	99,000	7,000	D	15,000	12,000	S	D	43,000	27,000	9,000	6,000

TABLE 1-3

**Relationship of highest degree to job among employed college graduates, by level of highest degree, minor field of highest degree, and broad occupation: 2019**

(Number)

Level and field of highest degree	All				S&E occupations				S&E-related occupations				Non-S&E occupations			
	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related
Sociology and anthropology	50,000	41,000	9,000	S	39,000	35,000	S	D	2,000	2,000	D	D	10,000	4,000	5,000	D
Other social sciences	40,000	30,000	10,000	D	12,000	10,000	S	D	1,000	1,000	D	D	27,000	19,000	8,000	D
Engineering	233,000	184,000	40,000	9,000	171,000	144,000	23,000	S	24,000	20,000	4,000	D	37,000	20,000	13,000	5,000
Aerospace, aeronautical, and astronautical engineering	9,000	9,000	*	D	8,000	7,000	*	D	2,000	2,000	D	D	D	D	D	D
Chemical engineering	30,000	22,000	7,000	1,000	23,000	19,000	3,000	D	2,000	1,000	D	D	6,000	2,000	4,000	*
Civil and architectural engineering	21,000	17,000	3,000	S	16,000	15,000	1,000	D	2,000	1,000	D	D	3,000	1,000	S	D
Electrical and computer engineering	68,000	54,000	14,000	S	53,000	42,000	10,000	D	6,000	4,000	1,000	D	9,000	7,000	2,000	S
Industrial engineering	10,000	7,000	3,000	D	6,000	5,000	S	D	S	S	D	D	2,000	S	D	D
Mechanical engineering	28,000	23,000	5,000	S	23,000	19,000	3,000	D	1,000	S	*	D	4,000	3,000	1,000	D
Other engineering	66,000	53,000	8,000	5,000	43,000	37,000	3,000	S	10,000	9,000	S	D	14,000	7,000	4,000	2,000
S&E-related fields	305,000	272,000	21,000	12,000	44,000	39,000	5,000	D	215,000	199,000	11,000	D	46,000	34,000	4,000	8,000
Health	283,000	253,000	18,000	11,000	33,000	29,000	4,000	D	212,000	197,000	11,000	D	38,000	28,000	3,000	7,000
Science and mathematics teacher education	11,000	9,000	1,000	D	5,000	5,000	D	D	1,000	1,000	D	D	5,000	4,000	D	D
Technology and technical fields	9,000	7,000	S	D	5,000	5,000	D	D	2,000	1,000	D	D	S	D	D	D
Other S&E-related fields	3,000	3,000	D	D	1,000	1,000	D	D	D	D	D	D	1,000	1,000	D	D
Non-S&E fields	546,000	426,000	80,000	40,000	53,000	37,000	13,000	2,000	26,000	22,000	3,000	D	468,000	366,000	64,000	37,000

TABLE 1-3

**Relationship of highest degree to job among employed college graduates, by level of highest degree, minor field of highest degree, and broad occupation: 2019**

(Number)

Level and field of highest degree	All				S&E occupations				S&E-related occupations				Non-S&E occupations			
	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related	Total	Closely related	Somewhat related	Not related
Management and administration fields	58,000	44,000	12,000	2,000	9,000	3,000	5,000	D	S	D	D	D	48,000	40,000	S	2,000
Education, except science and math teacher education	159,000	129,000	27,000	S	8,000	6,000	2,000	D	19,000	17,000	2,000	D	132,000	106,000	23,000	S
Social service and related fields	90,000	74,000	7,000	8,000	15,000	S	D	D	D	D	D	D	75,000	62,000	S	7,000
Sales and marketing fields	4,000	4,000	D	D	D	D	D	D	D	D	D	D	4,000	4,000	D	D
Art and humanities fields	167,000	132,000	27,000	8,000	5,000	S	D	D	1,000	1,000	D	D	161,000	129,000	24,000	7,000
Other non-S&E fields	67,000	43,000	6,000	S	16,000	13,000	D	D	S	S	D	D	47,000	25,000	S	S
Professional	2,903,000	2,490,000	244,000	169,000	67,000	51,000	8,000	8,000	1,380,000	1,341,000	24,000	14,000	1,456,000	1,098,000	211,000	147,000
S&E fields	42,000	33,000	S	D	28,000	25,000	D	D	2,000	2,000	D	D	12,000	5,000	S	D
S&E-related fields	1,433,000	1,375,000	33,000	25,000	18,000	15,000	2,000	D	1,359,000	1,339,000	15,000	S	56,000	21,000	16,000	19,000
Non-S&E fields	1,428,000	1,082,000	204,000	142,000	21,000	10,000	4,000	6,000	19,000	S	9,000	9,000	1,388,000	1,071,000	190,000	127,000

\* = suppressed when population estimate < 500. D = suppressed to avoid disclosure of confidential information. S = suppressed for reliability; coefficient of variation exceeds publication standards.

S&E = science and engineering.

**Note(s):**

Numbers are rounded to the nearest 1,000. Detail may not add to total because of rounding.

**Source(s):**

National Center for Science and Engineering Statistics, National Survey of College Graduates: 2019.